Active Recombinant Human CXCL12 protein

Cat. No. CXCL12-2345H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CXCL12 protein(Lys22-Lys89) was expressed in Pichia.
Species	Human
Source	Pichia
ProteinLength	22-89 aa
Form	Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.
Bio-activity	Measured by its ability to chemoattract MOLT4 cells. The ED50 for this effect is 11.47-45.86 ng/mL, corresponding to a specific activity of 2.18×10^4~8.72×10^4 units/mg.
Molecular Mass	7.96 kDa
Endotoxin	< 0.1 EU/μg of the protein by LAL method.
Purity	≥ 95 % as determined by SDS-PAGE.
Storage	Store at -20°C.Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt.After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.
Reconstitution	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL

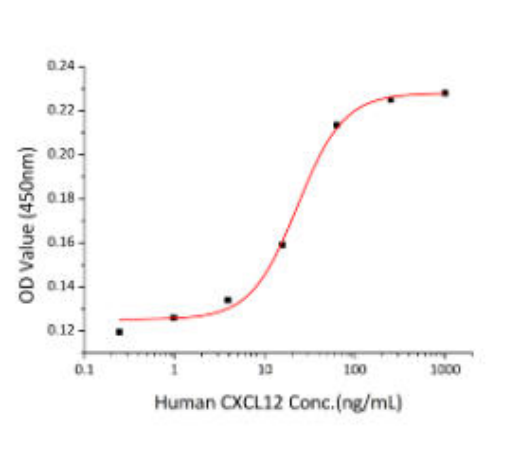
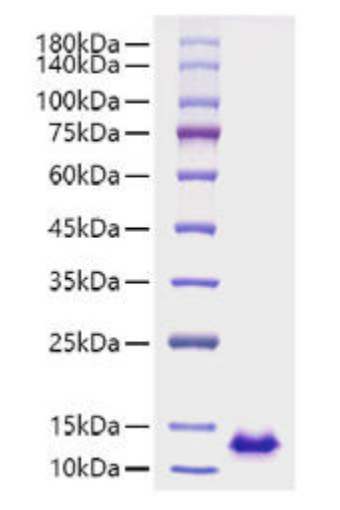
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	in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

GENE INFORMATION

Gene Name	CXCL12 chemokine (C-X-C motif) ligand 12 [Homo sapiens]
Official Symbol	CXCL12
Synonyms	CXCL12; chemokine (C-X-C motif) ligand 12; SDF1, SDF1A, SDF1B, stromal cell derived factor 1; stromal cell-derived factor 1; PBSF; SCYB12; SDF 1a; SDF 1b; TLSF a; TLSF b; TPAR1; intercrine reduced in hepatomas; pre-B cell growth-stimulating factor; IRH; SDF1; TLSF; SDF1A; SDF1B;
Gene ID	6387
mRNA Refseq	NM_000609
Protein Refseq	NP_000600
MIM	600835
UniProt ID	P48061

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Activity	
SDS-PAGE	

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